<center>**Remarks**</center>

This REPLY is in response to the Office Action mailed March 31, 2010.

I.   Status of Related Applications

For the Examiner's reference, Applicant notes that U.S. Patent Application No. 11/257,912 (Publication No. 2006/0075120), which claims the benefit of priority to the instant Application, and which Notice of Allowance was indicated in the Information Disclosure Statement filed by Applicant on February 19, 2010, issued on July 6, 2010 as U.S. Patent No. 7,752,326.

II.   Summary of Examiner's Rejections

Prior to the Office Action mailed March 31, 2010, Claims 1-15, 17, 24-27, 29-60, 63 and 64 were pending in the Application. In the Office Action, Claims 1-15, 17, 29-51 and 60 were rejected under 35 U.S.C. 103(a) as being unpatentable over Yano (U.S. Patent Publication No. 2006/0184546) in view of Andrew Clinick ("Remote Scripting", hereinafter Clinick). Claims 24-27 and 63-64 were rejected under 35 U.S.C. 103(a) as being unpatentable over Yano and Clinick, and further in view of Vora et al. (U.S. Patent No. 6,539,379, hereinafter Vora).

III.   Summary of Applicant's Amendment

The present Reply amends Claims 1, 24, 29, 32, 33, 36, 37, 52-54, 63 and 64, leaving for the Examiner's present consideration Claims 1-15, 17, 24-27, 29-60, 63 and 64.

IV.   Claim Rejections under 35 U.S.C. 103(a)

In the Office Action, Claims 1-15, 17, 29-51 and 60 were rejected under 35 U.S.C. 103(a) as being unpatentable over Yano (U.S. Patent Publication No. 2006/0184546) in view of Clinick ("Remote Scripting"). Claims 24-27 and 63-64 were rejected under 35 U.S.C. 103(a) as being unpatentable over Yano and Clinick and further in view of Vora (U.S. Patent No. 6,539,379).

Claim 1

Applicant respectfully traverses the rejection of Claim 1 in view of the remarks below. Additionally, Claim 1 has been amended to recite:

> *1. (Currently Amended) A system for retrieval at a client system of content from a server system, comprising:*
>   *a communication protocol that enables an asynchronous connection over a*

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network between a client system and a server system, and allows the client system to send via the network, and within a session between the client system and the server system, a lengthening string composed of a plurality of consecutively input characters, to query the server system for string-based content, while asynchronously receiving consecutive responses from the server as the characters are being input;

a content-based cache, at the server system, which stores previous queries and corresponding result sets previously executed by the system, and which includes within its result sets content or other information previously retrieved from the server or one or more content sources in response to the previous queries;

a client object, in communication with a client software at the client system and with the communication protocol, wherein the client object

receives, as input, consecutive additional characters from the client software, and

while each of the consecutive additional characters are being received as input, transmits via the network to a server object at the server system one or more corresponding consecutive queries, within the session between the client system and the server system, to retrieve content from the server system,

wherein each of the consecutive queries lengthens the string by the additional characters, to form a lengthening string for retrieving matching content from the server system; and

a server object, in communication with the server system, and with the client object via the communication protocol, wherein the server object

in response to receiving each of the consecutive queries that modify the lengthening string,

automatically uses the modified lengthening string to query and retrieve content information from the content-based cache at the server system or from the one or more content sources that matches the modified lengthening string, and

asynchronously returns, while the additional characters are being input and the consecutive queries are being transmitted and the lengthening string is being modified during the session, consecutive responses containing content information which increasingly matches the modified lengthening string, to the client object for immediate use by the client system.

In the Office Action, it was asserted that Yano discloses a system for retrieval at a client system of content from a server system, comprising a communication protocol that enables a connection over a network between a client system and a server system, and allows the client system to send via the network, and within a single session between the client system and the server system, a lengthening string composed of a plurality of consecutively input characters, to query the server system for string-based content; a client object, in communication with a client

software at the client system and with the communication protocol, wherein the client object receives, as input, consecutive additional characters from the client software, and while each of the consecutive additional characters are being received as input, transmits via the network to a server object at the server system one or more corresponding consecutive queries, within the same session, to retrieve content from the server system, wherein each of the consecutive queries lengthens the string by the additional characters, to form a lengthening string for retrieving matching content from the server system; and a server object, in communication with the server system, and with the client object via the communication protocol, wherein the server object in response to receiving each of the consecutive queries that form the lengthening string, automatically uses the lengthening string to query and retrieve content information from the server system that matches the lengthening string, and wherein the server object returns, while the additional characters are being input and the string is being lengthened during the session, increasingly matching content to the client object for immediate use by the client system.

It was further asserted that Clinick discloses asynchronously returning responses, and that it would have been obvious to incorporate or implement Clinick's asynchronously returning responses in Yano's system, giving the ability to return information in a more intuitive manner.

However, Applicant respectfully submits that, in Yano, the query preparation steps appear to be performed at the browser, and particularly at the search-engine-compatible interface unit of the browser. For example, Yano appears to describe a "concrete example of processing in steps S702 to S705". (Paragraph [0076]). When a character is identified (specified) through a mouse operation of the terminal unit 202 (S702), the search-engine-compatible interface unit 104 cuts out a character string obtained by adding some characters before and after the character thereto (adjacent character string) (S703), compares the cut-out character string to the word table (S704), cuts out the character string coincident with any word in the word table as a word, and identifies the word (S705). (Paragraph [0075]). It appears that only then is the identified word recognized as a keyword and transferred to the search engine, (e.g. The identified word "MARK" is recognized as a keyword in step S706 of FIG. 7, and the keyword is transferred to the search engine 103. (Paragraph [0085]).

The above example appears to indicate that, in Yano, the adding of characters, and the comparison of words coinciding with a temporary word is performed by searching a word table at the browser. When it is determined that there is a coinciding word in the word table, the temporary word is identified as a keyword, and only then transferred from the browser to the search engine. As such, Applicant respectfully submits that Yano does not appear to describe a user entering each character of the keyword into the search engine and the system performing a search for the

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keyword as each character is entered.

Additionally, Claim 1 as presented recites that, in accordance with the embodiment therein, a client transmits via the network to a server object at the server system one or more corresponding consecutive queries, within the session between the client system and the server system, to retrieve content from the server system, wherein each of the consecutive queries lengthens the string by the additional characters, to form a lengthening string for retrieving matching content from the server system.

Applicant respectfully submits that, although Clinick appears to disclose a plurality of text boxes into which separate queries can be entered, the act of moving from a first text box to a second text box appears to be a form of submission (of the contents of the first text box). As such, Clinick does not appear to disclose the use of a lengthening query string to determine relevant content, while the lengthening query string is being formed, as recited by Claim 1.

To more clearly recite the embodiment therein, Claim 1 has been amended to further recite that, in accordance with the embodiment therein, the system includes a content-based cache, at the server system, which stores previous queries and corresponding result sets, previously executed by the system, and which includes within its result sets content or other information previously retrieved from the server or one or more content sources in response to the previous queries; and that the server object, in response to receiving each of the consecutive queries that modify the lengthening string, automatically uses the modified lengthening string to query and retrieve content information from the content-based cache at the server system or from the one or more content sources that matches the modified lengthening string.

In view of the above remarks, Applicant respectfully submits that Claim 1, as currently amended, is neither anticipated by, nor obvious in view of the cited references, when considered alone or in combination. Reconsideration thereof is respectfully requested.

Claims 24, 29, 32, 33, 36, 37, 52-54, 63 and 64

The remarks provided above with regard to Claim 1 are herein incorporated by reference. Claims 24, 29, 32, 33, 36, 37, 52-54, 63 and 64 have also been amended as shown above to further recite the embodiments therein. For similar reasons as provided above with respect to Claim 1, Applicant respectfully submits that Claims 24, 29, 32, 33, 36, 37, 52-54 and 63-64 are likewise neither anticipated by, nor obvious in view of the cited references, when considered alone or in combination. Reconsideration thereof is respectfully requested.

Claims 2-15, 17, 25-27, 30-31, 34-35, 38-51 and 55-60

Claims 2-15, 17, 25-27, 30-31, 34-35, 38-51 and 55-60 depend from and include all of the features of one of Claims 1, 24, 29, 32, 33, 36, 37 or 52-54. These claims are not addressed separately herein. However, Applicant respectfully submits that these claims are allowable at least as depending from an allowable independent claim, and further in view of the remarks provided above. Reconsideration thereof is respectfully requested.

V.   Request for Interview

In the event the above remarks fail to place the application in condition for allowance, Applicant respectfully requests the opportunity to interview with the Examiner at her convenience, and prior to the issuance of a subsequent Office Action, to assist in expediting prosecution.

VI.   Conclusion

In view of the above amendments and remarks, it is respectfully submitted that all of the claims now pending in the subject patent application should be allowable, and reconsideration thereof is respectfully requested. The Examiner is respectfully requested to telephone the undersigned if he can assist in any way in expediting issuance of a patent.

The Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 06-1325 for any matter in connection with this response, including any fee for extension of time, which may be required.

Respectfully submitted,

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